

Substitute for form 1449A/PTO (modified)

Application Number

10/740262

Filing Date

December 18, 2003

First Named Inventor

Rosenflanz, Anatoly Z.

Art Unit

1755

Examiner Name

Attorney Case Number

58716US002

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Exam. Init.	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	B39	WO	01/56947 A ✓	08/09/2001			
	B40	WO	01/56949 A -	08/09/2001			
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/MM/	C1	Aguilar, E.A., "Processing and crystallization of rapidly solidified Al ₂ O ₃ -Y ₂ O ₃ fibres", British Ceramic Transactions, 2000, Vol. 99, No. 6, pp. 256-259.
/MM/	C2	Brewer, Luke N. et al., "Interface modification for increased fracture toughness in reaction-formed yttrium aluminum garnet/alumina eutectic composites", 1999, Vol. 14, No. 10, pp. 3907-3912.
/MM/	C3	Brockway et al. "Rapid Solidification of Ceramics a Technology Assessment", Metals and Ceramics Information Center, MCIC Report, January 1984 MCIC 84-49

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/MM/	C4	Chen, Zan-Hwey et al., "Microstructures of laser-treated $Al_2O_3-ZrO_2-CeO_2$ composites," <i>Materials Science & Engineering A (Structural Materials: Properties, Microstructure and Processing)</i> , 1995, Vol. A196, No. 1-2, pp. 253-260.
	C5	"China: Oversupply Puts Rare Earths Projects On Hold", <i>Industrial Minerals</i> , August, 1997, 1 page.
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	C18	Harris et al., "DURABLE 3-5 μ m TRANSMITTING INFRARED WINDOW MATERIALS," <i>Infrared Physics & Technology</i> 39, 1998, pp. 185-201
↓	C19	Hedrick, J., "Rare-Earth Metals", pp. 61.1-61.6, 1997.
/MM/	C20	Hedrick, J., "Rare-Earth Metal Prices in the USA ca. 1960 to 1994", <i>J. Alloys and Compounds</i> , 1997, pp. 471-81.

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	C22	Imakoa, Minoru et al., "Refractive Index and Abbe's Number of Glass of Lanthanum Borate System", <u>Journal Ceramic Assoc. Japan</u> , Vol. 70, No. 5, (1962), pp. 115
	C23	"In Asia", Dow Jones Interactive Internet Printout on 6/20/01 for web address http://ptg.dnjr.com/crcroot/asp/public/story.asp ; <u>Engineering & Mining Journal</u> , 2/28/00, 4 pages.
	C24	Isobe, T. et al., "Microstructure and Thermal Stability of $\text{Al}_2\text{O}_3\text{/Y}_3\text{Al}_5\text{O}_12$ (YAG) Eutectic Composite Prepared by an Arc Discharge Method", <u>J. Ceram. Soc. Jap.</u> , 109, [1], 2001, pp. 66-70, Abstract in English.
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	C26	Kokubo, Tadashi et al., "Infrared Transmission of (R_2O or $\text{R}'\text{O}'$)-(TiO_2 , Nb_2O_5 or Ta_2O_5)- Al_2O_3 Glasses", <u>Journal of Non-Crystalline Solids</u> 22 (1970) 125-134
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	C30	Lakiza et al., "The Liquidus Surface In The $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-Y}_2\text{O}_3$ Phase Diagram", <u>Powder Metallurgy and Metal Ceramics</u> , Vol. 33, No. 11-12, 1994, pp. 595-597.
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Rosenflanz, Anatoly Z.

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/MM	C38	"Phase Identification of $Al_2O_3/RE_2Al_2O_12$ and $Al_2O_3/REA10_3$ (RE = Sm-Lu, Y) Eutectics", J. Crystal Growth, 218, 2000, pp. 67-73.
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/MM	C54	Waku, Yoshiharu, "A New Ceramic Eutectic Composite with High Strength at 1873 K", <u>Advanced Materials</u> , Vol. 10, No. 8, 1998, pp. 615-617.
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/MM/	C69	U.S. Patent Application entitled "Fused Al_2O_3 - Y_2O_3 - ZrO_2 Eutectic Abrasive Particles, Abrasive Articles, And Methods Of Making And Using The Same", filed July 19, 2000, Rosenflanz having U.S. Serial No. 09/618,876 (Attorney Docket No. 55763US002) ✓
	C70	U.S. Patent Application entitled, "Method of Making Ceramic Articles", filed August 2, 2002, Rosenflanz having U.S. Serial No. 10/211,481 (Attorney Docket No. 56938US004) ✓
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	C72	U.S. Patent Application entitled "Methods of Making Ceramics", filed February 5, 2003, Anderson et al., having a U.S. Serial No. 10/358765 (Attorney Docket No. 58258US002) ✓
	C73	U.S. Patent Application entitled "Ceramics and Methods of Making the Same", filed February 5, 2003, Celikkaya et al., having a U.S. Serial No. 10/358910 (Attorney Docket No. 58325US002) ✓
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	C75	U.S. Application entitled "Use of Ceramics In Dental And Orthodontic Applications", filed February 5, 2003, having U.S. Serial No. 10/358,856 (Attorney Docket No. 58350US002) ✓
	C76	U.S. Patent Application entitled "Methods of Making Al_2O_3 - SiO_2 Ceramics", filed February 5, 2003, Celikkaya et al. having a U.S. Serial No. 10/358,708 (Attorney Docket No. 58353US002) ✓
	C77	U.S. Application entitled "Use of Glasses Containing Rare Earth Oxide, Alumina, and Zirconia And Dopant In Optical Waveguides", filed April 28, 2003, having U.S. Serial No. 10/425,039 (Attorney Docket No. 58435US002) ✓
	C78	U.S. Application entitled " Methods of Making Ceramic Particles", filed September 5, 2003, having U.S. Serial No. 10/655729 (Attorney Docket No. 58790US002) ✓
	C79	U.S. Application entitled "Methods of Making Ceramics Comprising Al_2O_3 , REO, ZrO_2 and/or HfO_2 and Nb_2O_5 and/or Ta_2O_5 ", filed September 18, 2003, having U.S. Serial No. 10/66615 (Attorney Docket No. 58354US002) ✓
	C80	U.S. Application entitled "Ceramics Comprising Al_2O_3 , REO, ZrO_2 and/or HfO_2 , and Nb_2O_5 and/or Ta_2O_5 , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666212 (Attorney Docket No. 58807US002) ✓
	C81	U.S. Application entitled "Ceramics Comprising Al_2O_3 , Y_2O_3 , ZrO_2 and/or HfO_2 , and Nb_2O_5 and/or Ta_2O_5 , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666,098 (Attorney Docket No. 58961US002) ✓
✓	C82	U.S. Application entitled "Method of Making Abrasive Particles", filed December 18, 2003, having U.S. Serial No. 10/739420 (Attorney Docket No. 58794US002) ✓
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/MM	C84	U.S. Application entitled "Transparent Fused Crystalline Ceramics, And Method of Making The Same", filed December 18, 2003, having U.S. Serial No. 10/739439 (Attorney Docket No. 58797US002) ✓
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U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number Doc. Number-(Kind Code If Known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A3	US- 4,757,036	07/12/1988	Kaar et al.	
	A4	US- 5,248,318 A	09/28/1993	Tamamaki et al.	
	A5	US- 5,413,974 A	05/09/1995	Yokoyama et al.	
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/MM/	B1	DE	141 420	04/30/1980			X
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Substitute for form 1449A/PTO (modified)

Application Number

10/740262

Filing Date

December 18, 2003

First Named Inventor

Anderson, Thomas J.

Art Unit

1755

Examiner Name

Attorney Case Number

58716US002

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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	C4	Gonzalez, Eduardo J., et al., "High Pressure Compaction and Sintering of Nano-Size $\gamma-Al_2O_3$ Powder", Materials and Manufacturing Processes Vol. 11, No. 6, 951-967, 1996	
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↓	C11	Weber et al., "Synthesis and Optical Properties of Rare-Earth-Aluminum Oxide Glasses", J. Am. Ceram. Soc. 85(5) 1309-1311 (2002)	
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	A7	US-				
	A8	US-				

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	B3						

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Application Number	004 10740262
Filing Date	December 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
Examiner Name	
Attorney Case Number	58716US002

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	A3	US- 3,828,603	12/16/1975	Plesslinger et al.	
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Application Number	10/740262
Filing Date	September 18, 2003
First Named Inventor	Anderson, Thomas J.
Art Unit	1755
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Attorney Case Number	58716US002 FEB 21 2005

U.S. Patent Documents

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/MM	C2	Standard: "Nominal Dimensions, Permissible Variations for Wire Cloth of Standard test Sieves (U.S.A.) Standard Series," ASTM International, Designation: E-11, (Date unknown but prior to filing date of instant application), pp.3-6.	
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Attorney Case Number	68716US002

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Examiner Name Michael A. Marcheschi

Attorney Case Number 58716US002

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